

DERWENT-ACC-NO: 1991-103092
DERWENT-WEEK: 199740
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TITLE: Vehicular headlamp system giving early warning of
obstacles - maintains
main-beam headlamps in operation but masked by infrared
filters while dipped
headlamps are on

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PATENT-ASSIGNEE: BOSCH GMBH ROBERT[BOSC]

PRIORITY-DATA: 1989DE-3932216 (September 27, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
DE 3932216 A	April 4, 1991	N/A
000	N/A	
DE 3932216 C2	September 11, 1997	N/A
006	B60Q 001/14	
FR 2652317 A	March 29, 1991	N/A
000	N/A	
IT 1243046 B	May 23, 1994	N/A
000	B60Q 000/00	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 3932216A	N/A	1989DE-3932216
September 27, 1989		
DE 3932216C2	N/A	1989DE-3932216
September 27, 1989		
IT 1243046B	N/A	1990IT-0021577
October 8, 1990		

INT-CL (IPC): B60Q000/00; B60Q001/14 ; F21M003/18

ABSTRACTED-PUB-NO: DE 3932216A

BASIC-ABSTRACT: On a four-headlamp vehicle the dipped-beam
headlamps are

arranged outboard, and the main-beam headlamps (9) inboard with a tubular spectral filter (13) mounted coaxially before each bulb (11).

When the dipped beams are switched-on, the main-beam bulbs (11) continue to radiate but the filters (13) are slid along rails (17) into position for intercepting the visible light so that only infrared radiation is projected for reflection from obstacles into an infrared camera.

ADVANTAGE - Driver on dipped headlamps can receive timely warning of distant obstacles, without dazzling drivers of oncoming vehicles.

ABSTRACTED-PUB-NO: DE 3932216C

EQUIVALENT-ABSTRACTS: On a four-headlamp vehicle the dipped-beam headlamps are arranged outboard, and the main-beam headlamps (9) inboard with a tubular spectral filter (13) mounted coaxially before each bulb (11).

When the dipped beams are switched-on, the main-beam bulbs (11) continue to radiate but the filters (13) are slid along rails (17) into position for intercepting the visible light so that only infrared radiation is projected for reflection from obstacles into an infrared camera.

ADVANTAGE - Driver on dipped headlamps can receive timely warning of distant obstacles, without dazzling drivers of oncoming vehicles.

CHOSEN-DRAWING: Dwg.2 Dwg.2

TITLE-TERMS:

VEHICLE HEADLAMP SYSTEM EARLY WARNING OBSTACLE MAINTAIN
MAIN BEAM HEADLAMP
OPERATE MASK INFRARED FILTER DIP HEADLAMP

DERWENT-CLASS: Q16 Q71 X22 X26

EPI-CODES: X22-B01B; X26-D;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1991-079715